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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,959	08/26/2003	David Cheung	003032/C7/DSM/LOW K	5142
7590	08/06/2004		EXAMINER	
Patent Counsel APPLIED MATERIALS, INC. P.O. Box 450-A Santa Clara, CA 95052			LE, THAO P	
			ART UNIT	PAPER NUMBER
			2818	

DATE MAILED: 08/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/647,959	CHEUNG ET AL.	
	Examiner	Art Unit	
	Thao P. Le	2818	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 21 May 2004.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1,3,5-7,8,10-13,15-20 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 8,10-13 and 15-20 is/are allowed.

6) Claim(s) 1,3 and 5-7 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
Paper No(s)/Mail Date _____	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

1. Examiner took notice of amendments and remarks made on 04/30/04.

Claims 2, 4, 9, and 14 were canceled.

Claims 1, 8 were amended.

Claims 1, 3, 5-8, 10-13, 15-20 are pending in this application.

Response to amendment

2. Claims 1 and 4 were rejected under 102 (e) as anticipated by Rose et al. in the previous office action. Claim 1 then was amended to include limitations of claim 4. Applicant's traversal in the remarks that Ross et al. fails to disclose the limitation of claim 4 now in claim 1 is not found persuasive. Applicants note that amended claim 1 comprising that wherein the two or more organosiloxanes are selected from the group consisting of 1,3,5,7-tetramethylcyclotetrasiloxane, octamethylcyclotetrasiloxane (OMCT), 1,3,5,7,9-pentamethylcyclopentasiloxane, and 1,5,5,7-tetrasilano-2,6-dioxy-4,8-dimethylene. The limitation disclosed in claim 1 above means that the two or more organosiloxanes can be selected from the same or different group from any of the four groups listed above. They could be selected from the same group, but also could be from different group. Claim 1 doesn't disclose that the two or more organosiloxanes must be selected from more than one group or at least two groups from the following groups consisting of 1,3,5,7-tetramethylcyclotetrasiloxane, octamethylcyclotetrasiloxane (OMCT), 1,3,5,7,9-pentamethylcyclopentasiloxane, and 1,5,5,7-tetrasilano-2,6-dioxy-

4,8-dimethylene. Ross et al. discloses that the two or more organosiloxanes can be a mixture (two or more) of organosiloxanes and selected from the group consisting of OMCT (Cols. 3-6).

3. Claims 1, 3, 5-7 stand rejected as in the previous rejection (by Rose et al. and Grill et al.).
4. This is a final.

Allowable Subject Matter

5. The terminal disclaimer filed on 4/30/04 has been approved. The previous double patenting rejection is withdrew. Cheung et al. (U.S. patent No. 6,537,929) and present application have the same priority date. The previous 102 (e) rejection as being anticipated by Cheung et al. is withdrew.
6. Allow claims 8, 10-13, 15-20.

Claims 8, 10-13, 15-20 are allowable since none of prior art teach or suggest claimed limitations having a method for depositing a low dielectric constant film on a substrate comprising reacting two or more organosiloxanes wherein at least one of the organosiloxane of the two or more organosiloxanes is cyclic and wherein the cyclic organosilane is 1,3,5-trisilano-2,4,6-trimethylene (claims 8, 10-13), or wherein the cyclic organosilane comprises a ring comprising carbon and oxygen (claims 15-20).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao P. Le whose telephone number is 571-272-1785. The examiner can normally be reached on M-T (7-6).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thao P. Le
AU 2818


HOAI HO
PRIMARY EXAMINER